

MOTD

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The International Newsletter of the OS-9 Users Group MAY/JUNE 1988

President's Column

by Dave Kelshe

I don't really have any pending new business of important significance with to make this month, so I'm just going to fill this space with my musings about a number of unrelated topics of interest.

Chicago RainbowFest a Success?

Once again this year, The OS-9 Users Group had a booth at the Chicago RainbowFest in late May. And late last year, because the UG did not pay the travel, hotel or accommodation expenses of the people who manned the booth, membership dues collected for supposed the expenses connected with having the booth (namely, the cost of the shirts sold and the cost of the booth itself). Specifically, we signed up 17 new members, returned 11 customer referrals, returned 4 prior members, and sold nearly 50 tee shirts. Making a quick estimate of the exponential growth and Carl Kierker at the RainbowFest indicates that, if the UG were paying to send us, it would have been a loss. For this reason, it appears that it would lay for be in the best interest of the UG to recruit volunteer members who plus on attending these shows, anyone to operate the UG booth for us. The only real profit for doing so would be free ad space and a place to sit during the show, but judging by the large number of people who came over to the UG booth volunteering to help out, I don't expect any problems finding volunteers in the future. The next show we are considering having a booth at is the Princeton RainbowFest later this year. If anyone knows of any other shows or conventions which are attended by large numbers of OS-9 users, please let us know!

OS-9

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LAIN NORTHERN'S CATALOG

1100-550-81

Dave Kelshe is changing employers. If you want CDS FOR us, call 708/227-1170

NTW never is sick that we are not interested in windows, divisions, for the ST. Update and write or call them!

Bank cheques remain a problem. we have successfully requested acceptance of MC and VISA. Sorry, please bear with us.

From The Editor

Things are quite busy here. New OS-9 software and hardware is forthcoming at a breakneck rate, so fast that I can't keep up. There are at least two new OS-9 software vendors, and many new hardware products from both old and new vendors. I still need help in reviewing software products. Many of you who wrote in last in the past did not include a complete software file or telephone number I need to know both in order to prevent sending you a piece of software or hardware that you already have. I need a phone number because it takes looking via the mail to find out if you are willing to review a particular piece. If you have already written, please don't hesitate to do so a second time.

I've talked to Chris Fox, (Fireware), and he is sending his CCOPY for review, as well as his function libraries. (see Comments)

Another OS9Dev is Glen Clark (Easy Smart Data Systems) who is working on the Turbo Applications Hub along with some business applications including 'Correspondence Module' and 'General Ledger'. Glen has a rather unique philosophy of including source code with this already attractively priced software.

Col Shattuck, (Graphic Computer Systems) is now Hesperian, where (due with that name), has also joined the ranks of the booth with his MS-DOS transfer programs. He is sending both Color and Green-tilt OS/2 versions for us to review (which required). He also has a Multi-View version in the works.

The magazine that this issue is connected to is arriving. It is waiting, because we are about to go on summer break. The next issue will be Sept/Oct and will be available in time for the Princeton Fest.

Continued Page 2

Continued Page 2

LETTERS

FALUN 1988 06029

RE:RAMBL

From: BOB@BNET14

To: COW@CSD

Subject: MOTO/ramblings

Hi, Bob Brady,

Congrats on Mar/Apr MOTO. It reminds me of the excitement of the early Ramblers. Here's some feedback (in part for MOTO, the magazine makes some suggestions for use, but their point prevails).

NEW PRODUCTS

CadCam exhibited June 10 Toronto. I witnessed an impressive, very impressive, Atari Mega Card demonstration, the software package was DynaCADD by Disk International, release date 4 June 88. This was 3D and true 10-Cad with very friendly CDM interface but too many capabilities to list here, but the Eurocom Acad. Dealer is offering an Atari Fastlane setup, Laser Printer, keyboard plotter, Storage Harddisk, display and DynaCADD for \$600 to \$800 Cdn. The DynaCADD people offer open architecture and are developing compatible surface and solid modelling modules.

I was surprised that the Microswan software catalogue contained no Cad packages at all, for any machine! Maybe the OS/2UG could obtain additional revenues by publishing their own source book, with listings being suggested by subscribers, such as above.

STUPID QUESTIONS

Yes, I think MOTO should have such a column, concern men the knowledge of the experts, put all of us to shame, and perhaps makes some, reluctant to ask their problems. Well I can be as dumb as the next person, so here goes.

Is Microsoft supposed to replace Ctrl+End if you do not intend to use Multitask?

As interesting as your and Dave's replies on the Atari went. Much was said about program transfer. Could you not simply upload to a local file and then download to the new machine?

HARDWARE

We need the MOTO to publish SPECIFICATIONS, location based on SPECIFIC hardware setups, BECAUSE I'M GOING CRAZY!

How many of us are waiting vast amounts of time on this problem? Is Microswan looking for a solution?

Here's my setup: COCOA (temporarily), upgraded by Tandy Multisync. Data II controller, Turbo 4 Turbo harddisk w/ or disk with toggle timing and WD controller. Harddisk Multisync floppy position 1 used as 40Kb D2 and 40Kb D3, 40Kb Turbo floppy position 2 used as 40Kb D1 and 40Kb D3. The harddisk has identical descriptors Multisync. I use an Epson Matrix with the cocoanal port. I also have a firm mouse attached. I also utilize a software package 400 400 (K. Durling's RAMBLER) a great dual-DOS level II.

After the problem.

If a harddisk boot is used, into its format etc. The harddisk will not allow a backup from any file, error 200 is reported and backup is aborted with error 200. Failure of the harddisk are lost and subsequent commands return error 200. I CAN CIRCUMVENT THE PROBLEM BY DRIVING IT as it is, and thereafter there are no problems.

If a harddisk, as created from the boot, and supposedly are used then no problems occur at all. This is true whether Dingo II or Dingo 2 controllers are used. I have noticed that under both situations, after formatting etc. FREE will return DIFFERENT free sectors, 716 as opposed to 712, although both are 228 total in size.

I have also tried Microswan Ram with exactly the same effect. Here's what the experts have suggested.

Kyle's Durling: My client and frequent choice for advice, Kyle says to manage your harddisk. Get the all in same block, well it's called Atari's solution (Disk etc. Thanks Kyle, but there are only so many combinations possible. I've tried them all (I think) and it doesn't solve the problem.

Chris Taylor-Gate, my mate as supporter of this year for AFTER SALES SERVICE, and product knowledge. I'm tied to him for his new serial

board. Apart from the same suggestion Kevin gave, he also is a computer.

Ken Schenk-Advised: I wish that there was a flow to the Microswan Ram, just getting off blocks, and he would just get a patch uploaded, several times that put.

So, Patrick if you have any setup and don't have problems please, Name and an your bookorder list.

HARDWARE

Many have done it, why not do it? OK and on step by step and purchase source list to start my COCOA and Multisync, into a Close Case, with separate keyboard and integral memory floppy, a 1/2 IBM (they are given here as a customer, if the owner of the new COCOA don't catch up with the market, we're all given to know.

Until the next MOTO.
Regards

- Kevin J. Johnson age 600

Editorial CO-2 MOTO

After reading LETTERS TO THE EDITOR, the Editor by Robert Van Dusen about SOFTWARE SUPPORT, it was hard to resist writing my experience and what we found to be improvements in documentation.

After buying quite a few magazines on the new micro-computer and trying to figure out operating systems and hardware chips, we published in our home journal. Obtained to be the best operating system after reading many OS/2 User Notes by Peter Durling. Then we used a Package #1 Data II Micro 600 CPU board complete with OS/2 level 1, 1.01, ram and Debugger. All we would need was a power supply, cabinet, keyboard and hard disk drive. However, we realize the hard board, cabinet, power supply and all the software in mid February 1988 but it took some time until end of equipment arrived. The system was up and running on the first week of April.

Meanwhile that 90-day support was rapidly fading away toward the deadline. We were asking for exten-

SUBMISSIONS

Articles, letters and advertisements will be accepted in the following formats:

YES, GRT, MACPAINT, MACDRAW, CANVAS, EPS, FIG, 1, Thunderbolt, M1 WORD-WORKS, MACDRAW, READY SET GO!, or Plus and file, OR ANY OF THE FOLLOWING 5.25" **ALL FORMATS EXCEPT** HEART, SC-CODE-AT-AR, LV, MAC WORK OR WORK, OR VIA E-MAIL, TO THE EDITOR ON CIRCLE OR DELPHI

You can upload to my website, if it is on line, between 4am and 4pm EST Sept-May. User/Client Password: CIVIL 980/180/1200base. Call voice after 4pm. The number is 980 980-984.

NO PAGERLAYER, Post Script, or 3.5" HD disk please.

Please include complete address, name & phone number on all submissions. Absorb all what you want to trade with whatever you are sending. Article, Ad, or Letter to the Editor, etc.

ADS

You are considered in the CMAA Users Group Newsletter! The newsletter will be printed periodically in either an 8.5" x 11" (letter size) format, or a 11" x 16.5" (tabloid size) format. The ad cost is the same regardless of printing format, with the exception that two color ads will only be available in the larger tabloid or in the larger format. Contact a PDI office before publication deadline for advice on what which format the next issue will be in.

Send your correspondence, or clearance of copy and a check for payment to the CMAA Users Group so that it is received no later than the 15th of the month prior to publication month.

Advertising rates are as follows (as of February, 1999):

	single	back cover
1-color 1-column 1-row	1-color 1-column 1-row	1-color 1-column 1-row
full page	\$450	\$550
half page	\$225	\$275
quarter page	\$112	\$137
eight page	\$56	\$68

See "submissions" for acceptable format.

Each member is entitled to place reasonable classified ads free.

Due to positive response, the half price special on electronically submitted ads will be continued until Dec 15th, 1999

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SUPPORTERS

The following persons or companies have furnished support, either time, money, materials, or just plain encouragement to the CG during this period. These are our friends.

Bruce Reed Jerry Munk
Erik Johanson Don Rottler Charles Adams
David Case Arnie Farnsworth
Frank Ross Joe Jacobs
Phyllis Don Chris Roddy Don Williams
Phil Christoff Eric Johnson David Madson
Lennor John Munk-Daniel DELPHI
Eric Stenrood Mr. Reigley
Fran Maguire
Mary and Louisa at HSC
David Weiss Brian

Arise all those, support for an enterprise such as the MCTD is needed on a never ending basis. These names cannot continue to appear here and the next friends of CG-6 and its users!

MCTD



Librarian's Corner

CBug: a Review

By Carl Krieger

Microsoft has a new debugger for assembly language that lets you work at a symbolic level. You can set breakpoints at the appropriate line number using the "break" command and the "go" command. This way, once the program is in the desired line of the source file is encountered, breaking will then pause its progress and wait for another command. Breakpoints can also be set by function name or even block number within a function. From a breakpoint, you can execute one or more C statements with the "step" command. The "step" command is like "step" except that if a function call is encountered, that function is executed rather than stepped. The "return" command continues execution until the current function returns to its caller. I particularly like this command. I seem to almost step out too many times and end up in a subprogram I regard as a seemingly random event. Another useful command is "watch". Asking "watch" to "watch" a variable will cause it to print the new contents of the variable when it changes. Breakpoints are removed with the "off" command. Should it be

"Now I wish that I had *watch* years ago."

The disadvantages of assembly language programming is that most errors tend to be typographical or detail, like using the wrong register, forgetting to save a register, or getting the stack misaligned. Using a higher level language like C prevents most of the nice features of assembly but eliminates the minor detail handling. Even so, typographical errors (like putting a semicolon at the end of a line statement) are hard to find. The problem is that we know it had a convenient way to debug C programs. If I can't find an error by staring at a listing or inserting print statements, I run a listing of the assembly code generated by the compiler, go to my death, and tell down for a long, difficult session with the bug.

It has arrived in the form of *watch*, the new source level debugger from Microsoft. I don't intend to make you an expert at source level debugging, but I would like to give you an idea of the power and ease of use of this new tool. Actually, calling *watch* a source level debugger seems a bit of a misnomer. *Watch* does not interpret the source code. Instead, the compiler and linker save enough information in the ".obj" and ".lib" files to complete the source to the generated object. *Watch* can then provide stepping and breakpoints relative to the C source listing. You merely compile the program in question along the ".o" option and type *watch* program to locate the debugger. *Watch* will load "program" and the associated symbol file, and restore "program" up to the start of main. It will then stop at the execution point of main and wait for a command. At this point, you can single step your program with the "step" command,

if you know that the trouble is in a certain area of your program, you can set a breakpoint at the appropriate line number using the "break" command and the "go" command. This way, once the program is in the desired line of the source file is encountered, breaking will then pause its progress and wait for another command. Breakpoints can also be set by function name or even block number within a function. From a breakpoint, you can execute one or more C statements with the "step" command. The "step" command is like "step" except that if a function call is encountered, that function is executed rather than stepped. The "return" command continues execution until the current function returns to its caller. I particularly like this command. I seem to almost step out too many times and end up in a subprogram I regard as a seemingly random event. Another useful command is "watch". Asking "watch" to "watch" a variable will cause it to print the new contents of the variable when it changes. Breakpoints are removed with the "off" command. Should it be



necessary, the "off" command will remove the program from within *watch*.

There are also many commands for manipulation of data. The "list" command displays a range of (or all) lines from source files. The "info" command by itself returns information about the program and the current location. While a function name is used as an argument, a declaration of the function data type is passed. If a struct tag is specified, the full declaration of the structure is displayed. The "inner" command displays the stack frames, showing the caller and arguments. The "dump" command displays the contents of a variable in the current file

and stack frame. The "print" command is quite powerful. The command "print argv[0]" prints the program name, as you would expect. However, "print main" prints the address of main and "print main()" prints the return value.

"It might really *watch* the particular useful to the source C program then."

Any debugger needs a way to assign new values to a variable. The "change" command does just that. There are also commands for changing directives, making it a stack, and setting a debug window. The *watch* command is in this group by the "step" command. The *watch* help is provided in just right. It is not too voluminous to be useful and not too brief to be frustrating. I have never seen Turbo C or CodeWarrior so I can't compare *watch* to them. I can say that I used to be a non-believer. My opinion, even that a "real programmer" didn't need a source level debugger. Maybe it was professional jealousy, I don't know. Now I wish that I had *watch* years ago. I have not had enough time with *watch* to find any bugs or to develop the inevitable work list.

I don't understand Microsoft's pricing though. Not many people will be willing to spend more for a debugger than they did for the operating system and C. In a very important question is whether *watch* is worth the money. Microsoft claims that *watch* was because productivity by itself. Like all such numbers, that one doesn't have much meaning without a lot of context. In my experience that the amount of time spent debugging decreases with experience in writing C, and the nature of the bugs might change. Some of the bugs I cause require special hardware to solve (anything to quick, and *watch* can't help there). But I can think of several times on the last project I did where *watch* would have saved an hour or two. I don't think *watch* can help a novice learn C in the sense of teaching him (or her) the language or good programming habits. But it will certainly ease the frustration of learning C. I think *watch* would be particularly useful to the source C programmer.

Alpha Software Technologies' OS9

Toolkit; Part 2

A Review

By Jerry Murphy

It struck me as odd that *somebody* in the instruction manuals sent by Keith Alphonsos with his OS9 Toolkit in three sections of his name or company. Perhaps it's humility on his part. Or maybe a printing error. He has told you that his package of utilities contains a mix of *agreedly* just as *agreedly* as the *justagay*. I've *agreed* as *agreed* in his *agreed* area of *agreed*, LA. He just *agreed* about the *agreed* *agreed* as has provided. And *agreed* is *agreed*.

Taken by themselves, some of the capabilities of *justagay* are based on the *justagay* a few parts of the utility package are *justagay* like the *justagay*. As I've written here in a previous article, but the *justagay* parts more than make up for the limitations, and make this a worthwhile package that I would strongly recommend to all, especially the "power users".

Most users of OS9 are familiar with the meta-character ? and * which can substitute in a pathname for either a single character or a group of characters. For example, foo? can be used in place of foo, fooa, foob, or any other 4-character word. foo* can be used in place of those as well as longer words, such as foobar, the *** representing 1 or many characters, including numbers. These meta-characters are recognized and explained in the utilities WHATCH, WAITT, MCOFF, and WDEL.

Like so many others, I guess, I have a number of discs marked "WDEL". It's wrong, I know, but convenient. From time to time, I might need to find a particular file with the file in the extension, and I'm not sure which disc it is on. It's a simple matter now to pop the disc in question into drive 1 and type the command WHATCH /d1/*file, and list only those files with the file extension, or whatever matched the filename with the meta-character. On a

small or unclustered disc, this might not seem so important, as my 80-tacks, it's a time-saver before me. On some of my larger directories in the hard drive, it's impressive. WHATCH is another utility that can be a time saver. Say you have just found an archive with several filenames that are similar. Now you wish to change the attributes, perhaps to "Y". WHATCH will handle it all with one command line. I suppose are the positives and negatives of a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z, and 0. The only on what, and we are reminded of the manual, is that ATRX must be in the command-line directory.

I particularly like the MCOFF and MDEL utilities. On my hard drive are two directories that get a lot of action. One is EUT, the other is WEL. In the first, I auto-save (with THE WEL, of course) the incoming radio-telephone broadcasts of local weather bulletins. Addressing past the more-or-less time and time. I save the files to the weather archive directory where they are stored for reference for a few weeks. Later, I'll save the older ones to floppy, and clean up the hard drive by deleting them. This is where I found the true value of these two utilities. It was when I found an undocumented feature of the wildcard utilities. The wildcard in which you do your wild card work should NOT have limits past the end of your work might just short, meaning that the directory permission to proceed after a successful work. For the network, move the command to the network before doing your wildcarding. Of course, COPY and DEL must be in the current execution directory.

If the destination diskette doesn't have enough space for the entire list of files, it will MCOFF what it can to the other disc, and pass on as a directory to insert a fresh diskette and print any log. I find this feature great, and found the filename on which it passed was NOT mentioned in the previous directory's directory a not feature. I wish I had in some of my model 4-copy utilities. I was ready able to MCOFF a new disc available from the WEL directory in the hard drive to my /d1 floppy, then use the newer repeat-key feature of shell 1.1, change MCOFF to WDEL, and have goodly-yes and files no longer opened on the hard drive, which now lived on the floppy. I also found goodly-yes the directory that

locking up used to exist. I know, I could have used a drive, or one of the past minutes written up by Kevin Thompson, or those procedures. Or I might have developed a script available to simplify things. But it's hard to say, and have enough to try to remember already. These wildcard utilities have saved my buttes sometimes. They are certainly worth the \$19.95 price tag. Look for the ad in The Station.

Still to come are the remainder of the utilities in this package: Pcase, Goto, Update, Loose, Dinfo, ASCH Convert, Database and Utilities.

Jerry Murphy, *ROMPUP, COM*
and *ROMPUP, COM*

MPY Switch Mod card from page 3

Step 2. Open the MPY by removing the four Phillips screws from the bottom of the case.

Step 3. De-solder the satellite board wire attached to pin 19 of the PAL505 (IC1).

Step 4. Solder the wire attached to the center pin of the SPDT switch to pin 19 of the PAL505 (IC1).

Step 5. Solder one of the remaining SPDT switch wires to the wire you de-soldered from pin 19 of the PAL505 (IC1). Use electrical tape or shrink wrap to insulate the solder joints.

Step 6. Solder the last SPDT switch wire to pin 13 of the PAL505 (IC1B) on the MPY appropriate line board.

Step 7. Mount the switch where it's easily accessible when the MPY is plugged into the COGO.

Step 8. Close the MPY case and try it out. The MPY will be either COGO or COGO compatible depending on which way the switch is set. Figuring out which is which is up to you. (Note:)

hand side of the page. You only need the budgeted amounts, actual amounts, variance, and percent of income. All of this information will fit neatly on one page.

The Budgeted column is obviously where you place a third numerical value of how much you are willing to spend for each item willing to compromise. You should do this prior to the approaching month. You should at least try to limit all expenditures (including savings) to no more than your monthly income. It also helps if you turn off the automatic recalculation attribute of your spreadsheet while you are entering in data. This will speed things up a bit. Then when you are done, don't forget to press the recalculation prompt for initial calculation and then save your spreadsheet.

The formulas are quite simple to use. There are only three types of formulas used: comparison, arithmetic, and division. The first formula is used for each daily expense that is classified as repeated (using relative cell addresses) in row 7 from B1 to B37: $\text{SUM}(\text{B1:B7})$. Each daily expenditure total is found at the bottom of the spreadsheet from F1 to F37: $\text{SUM}(\text{B1:F7})$. Also, again, you only have to enter the formula once and then use the replicate command to copy the formula to all of the other cells. For example, C41 would have the formula: $\text{IF}(\text{SUM}(\text{C12:C40}) > 0, \text{SUM}(\text{C12:C40}) / \text{SUM}(\text{B1:B37}))$. The first two columns have financial information in them. The third column for both income and expenditures are located in column A1: $\text{SUM}(\text{B1:A37})$. The Variance column, A48 is the difference between the actual amounts and what you budgeted for: $\text{SUM}(\text{B48:A48})$. And finally, the Percent of Income column contains the percent of income the actual cash amount is: A48/A37 .

I have used Dynacalc extensively for other tasks as well. It has come in handy for keeping track of grades of week Digital Electronics part time at a local Community College, and Pay sheet it to keep track of my Mary Kay commission. I have integrated everything onto a 386 Megabyte hard drive so that moving from one desktop to another is a breeze, especially with MainView. Although I still prefer the old shell, my wife prefers the windows interface. If any of you have any unusual techniques or tips of

Dynacalc or any other spreadsheet, let me know and we'll print it. You can reach me on Delphi at 0646001.

Well, I hope you can get a grip on yourself and get your finances in order so you can purchase that 386 Microsoft Compact Disk Interactive system you've always wanted.

President's Column cont

Summer Consumer Electronics Show

Less than two weeks after coming home from the Kaufmann's, I was back in Chicago for the 1989 Summer Consumer Electronics Show. The CES is a show intended for consumer electronics dealers and distributors and is closed to the general public. The summer show is the place where manufacturers show and take orders for things to be sold during the following Christmas buying season. Although I am the ultimate gadget and toy fanatic and generally jump at any chance to see new high tech stuff wherever I can find it, I went to this show looking for two things in particular: DAT (Digital Audio Tape) recordings and CD-I (Compact Disc Interactive).

Well, DAT was being *SHOWN* by virtually every major consumer electronics manufacturer represented at the show, but was being *SOLD* by none, indicating that there is a very good possibility that we're not going to be able to obtain that product (at least not at a reasonable price) anytime during 1989. The status of CD-I was even worse: it was nowhere to be seen.

For those of you who are unfamiliar with CD-I, it could be all probability end up competing the Sony CD-I computer system of all time. CD-I machines, developed by Sony and Philips, are multi-media Compact Disc driven systems. Unlike their low-end, low quality video, ultra-high resolution, and a fully interactive user interface. Each CD-I (read only) disc may contain any combination of digital audio, digital video, and executable computer code (CD-I/386 or better). The best part is that the CD-I standard allows for a keyboard and mass storage (i.e., disk drive) de-

vices to be added to a basic player, turning it into what may be the ultimate in home computer systems (at least as far as price/performance ratios of CD-I/386 computers will have fall come to the CD-quality hi-bit/D/A conversion and video drivers in real time for their creative players).

Sony and Philips had shown a working CD-I well earlier this year at a CES 88/89 conference and had announced that the first production CD-I units should be available later this year, along with a large number of software titles which are currently under development. However, both Sony and Philips were represented at the CES and CD-I is supposed to be a "consumer product". I didn't expect to see a demonstration of this budding technology at the show. Unfortunately, the Sony people I talked to at the show didn't even know what CD-I was, and the Philips booth was only open to those important enough to get a written invitation in advance. So I didn't get in. Judging from the lack of CD-I press releases at the show, I doubt that Philips was showing CD-I there either. So where is CD-I? It is wasn't being shown at the Summer CES, then it isn't and it is going to be very hard to find in the stores by the 1989 Christmas buying season. (Thank goodness, Sony, Philips, American Interactive Media, and many others have been working their rear ends off and spending LOTS of money developing CD-I for three or four years now. Somebody please tell me when I can play with one.)

A Message to UIC Members

As you hopefully have noticed by now, the CD-I Users Group has been making positive advances in getting the MCTD newsletter back on a regular publication schedule. The large number of letters we received during the MCTD's publication absence indicates that UIC members feel that the newsletter is one of the most valuable assets of their membership in the Group. The content of these letters, however, indicate that an alarmingly large number of UIC members do not really realize that the CD-I Users Group's MCTD is a magazine publication, not a CLUB. The MCTD is the club's newsletter which is published as well as news, hints and available funds per-

met. In the past, we have made every attempt to spend each member as many hours of the newsletter as possible during their membership term—sometimes even extending the duration of the membership term when collected funds exceeded expenses and another MOTO mailing could be justified. Over the years, after all a non-profit organization. The last members, however, that we cannot promise that any member will receive any minimum number of newsletters during their 1-year memberships. When you join the UG, your membership dues are pooled together with all other members; these funds are then used to support UG-related educational and operational projects as specified by the elected officers of the group.

Newsletter publications are only ONE of the uses of UG funds. Paying off past-due is another one. Others include payment of wages at Kaley Turner, the UG's hard-working Correspondence Secretary (she's the one who answers the mail at the UG's Florida address), and maintaining OS-PUG volunteers and officers for UG-related out-of-pocket expenses such as postage, telephone charges, operating supplies, etc. Another important UG project is the Software Library, where people who donate software to the library are sent a free disk of software for each new public domain program that they donate.

I want to make it clear that it remains the most important membership dues: back on the general membership and their community in the form of services, products, and support of educational and promotional projects as directed by the elected UG officers. What we CAN and DO, however, is make commitments that rely on the performance of unpaid volunteers (including the above-mentioned officers). The UG must rely on these volunteers to continually promote the group, encouraging non-members to join and old members to renew so that a continuous supply of operating funds can be relied upon. But because volunteers must eat too, there are real costs of time to spend on UG projects so that they may make a living at their 9-5-a-days. And when the volunteers stop working for the UG, the money stops coming in.

Receiving the MOTO Newsletter is presently one of the benefits of being a member of the OS-P Users Group. I want to stress for the reasons outlined above, however, that the UG cannot promise how many issues of the newsletter you will receive during your one-year membership. In fact, it is fully within the authority of the UG officers to suspend MOTO publications altogether, if they decide accordingly (perhaps, the UG didn't even HAVE a newsletter during the last two years of existence; and then they'd be back then too). Fortunately, we have no intention of suspending MOTO's publication in the immediate future. But I want to stress that payment of your membership dues should not be considered to be a

purchase of a magazine subscription. When you join the OS-P Users Group, you become part of the body of members that decide what their money will be used for. If you do not feel that the OS-P community is benefiting appropriately from the pool of funds, you are entitled to get involved and try

and help us work out the problems by let the best way to get involved is to JOIN OUR OFFICE. Each year, UG officers elect new members to President, Vice President, Secretary and Treasurer to serve during the following year. The person elected as President has the responsibility to appoint the Director of Large Libraries and Librarians from the pool of volunteers. NOW is the time to volunteer to run for an office in this year's elections. We need volunteers to run for every available position, including President, Vice President, Treasurer, Secretary, Editor and Librarian, as well as other volunteers to serve on committees such as the Software Exchange Committee, the Newsletter Committee, and others. PLEASE WRITE US AND LET US KNOW WHICH OF THE ABOVE YOU WOULD BE WILLING TO HELP OUT WITH.

Call for Volunteers

In addition to filling the positions of office mentioned above, the UG also needs volunteers to help out on a number of specific UG projects. Some of the most important of these

are related to the Software Library. In particular, Carl Kriender would like to participate the Software Exchange Committee, with members handling library disk duplication and doing general library updating and file maintenance. This disk duplication task would involve a volunteer making out a backup print on blank floppy disks and having a batch (a few mentioned out of UG funds). The volunteer would then make backup copies of individual UG Library volumes as copies come in and mail them accordingly. All paid-off pocket expenses (postage, packing material, blank disks) would of course be reimbursed by the UG upon receipt of a copy of the invoice, and/or the receipt of proof. As an incentive to take on this task, we would send those who are selected to duplicate a complete set of UG Library disks. If we get enough volunteers to help out with this project, each person might only be responsible for two or two volumes.

The next project would be to help do a complete overhaul of the UG Library. That is, we need to identify and either fix, or get rid of some of the older volumes that no longer meet properly under the current releases of OS-P. There are available newer versions of much of the software that exist in the UG library presently. We need people to help identify the positions and individual's capable of such volume which can be improved. People who volunteer for this task would be assigned an individual volume number and asked to completely reconstruct that volume, using the latest and best versions of the represented software. Additionally, older volumes of marginal value would be eliminated altogether and replaced with something generally more useful. Once again, people who do these jobs would be given a free copy of the complete library. This is a big job, but somebody's gotta do it. I've already started taking a look at some version of Volume Filter new members. I may get it done someday.

Coming Soon...

We have big plans for the UG and the MOTO in the future. If everything goes well, you may see an electronic communication officer or two, and lots of new new public domain software. Keep your eye on this spot.

Murphy's Law Revisited, or, Happiness is an XT-ROM

me Händel, by the way, as GEFiel is a subset of Windlet.

MacIntosh is from D.P. Johnson's disk package that I got when I was getting "Low Level 1." Works fine on the Level 1.

On

is leaf "ate 4" I shall

This one will set the "Renaissance" attitude of every life in the directory

One that we use a DOT in it, the original Rainbow Guide to CPO, page 167

Some-else (MOT) (Hil) (HT)

As you can see, pipes can do a LOT of useful things. There's one for just about every kind, for all of us who are "needy" of them.

Karen R. Pittenger

Happiness is...

When we last left you, we had just finished installing a Power and Turbo XT-ROM Hard Drive Interface and 30 megabyte hard drive. Murphy's Law told me a 16 for me, then MOTED March/April '88, pg. 30 "Murphy's Law," that seemed about to go on vacation. Jerry was wondering what to do now, what he was now down to less than 10000 free sectors on the hard drive.

Since we hadn't planned on getting an XT-ROM, we loaded the hard drive kind of willy-nilly. We set up something like 30 directories in the root, like CMDS, SYS, USER, MUSIC, along with a couple special ones like GENE, CDS (old UNIX system that has in our Tandy Special Interest Group), EXPR (for Karen's experimental stuff), and MCI (for Jerry's hard-weather reports). He kept dumping commands into CMDs until there were over 300 programs

in that directory

One of the biggest mistakes we made when writing it up originally was leaving the 340-pointer allocation (not) set for ROM. This meant that any time CDS started a new file on the hard disk, it automatically received a subtrack for it. While this is okay for a massive directory like CMDS, it certainly isn't for a file like GENE. In the current (and we hope, comprehensive) of the hard drive, the 340 is set to 5. This holds down disc fragmentation, and lets CDS use three 74K+ sectors more efficiently. A last-er got from Bill Brady was to format the drive using the 340 of 5, then when we were ready to start a CMDS directory, use Kevin Darling's DMSDK utility to set the 340 to 320. With over 380 subtracks in CMDS, the drive could read the directory without having to go all over the disc. Another idea is to have Pete Lytle's MCDR utility on a floppy somewhere, load it, and make all your directories at last that, since this utility allows you to set the limits on the number of files that directory will hold. We as yet haven't received MCDR, so we did it the hard way with DMSDK.

This article started when Jerry went to the Chicago Superstore this year. We were still playing around with various things such as more windows (terrible gang did), Kevin's (terrible) ad editor, optimized hard drive discomps and drivers, and a ton of miscellaneous programs we've received in the past recently. Karen was experimenting with new bioses, and having a rough go of it. He kept getting "boot failed" on just about every time he tried booting. Corrupting, or munging, or corrupt-LINKING. Karen said that it was a mistake.

Jerry picked up the latest version of the XTROM software along with an XT-ROM. The package included version 1.2 of the ROM, the 12-note music (not to use it), a reader, and a manual (Version 1.1), which was just the same version as the 1.2. The current version has the capability to have a pair of kernels on the hard drive in case you want to boot up in, say Level 1 Version 1.60 or 1.68 to use TSHard or some of the software that just won't work well

under Level 2.

Our WD-3000-MCII controller had the BIOS ROM soldered in, so the first thing we did when Jerry brought the package home was to desolder it, pull it out, and solder in a 34 pin socket. This is NOT recommended unless you have PLENTY of experience with pointed circuit boards AND the proper set of tools. It's in no way our sole responsibility for any errors made in this procedure. We recommended the hardware and gave it a "under test". We didn't lose any credit in the upgrade.

Using the TestTrack utility included with the XT-ROM package, we discovered that there were a couple of bad files and a binary file or two where the new kernel was supposed to go, on Track 128 of the hard drive. While the included utilities would have allowed us to move the files off Track 128, Jerry decided to save every directory off into a floppy and then reformatted the hard drive. He followed the directions in the XT-ROM manual and placed the kernel onto the hard drive at the proper place. He then started copying the directories back onto the floppy and tried booting. It didn't quite work.

At this point I email members that Jerry had been awake for over 30 hours.

Karen came over after he got off work, and immediately called up a disk to look at the new kernel. It was the wrong one. He called up the patch program to patch the kernel, and obtained a new disk like the manual said to do. He then tried booting, the ROM program that would transfer the kernel over to the hard drive. Bootport notified him that a kernel was already in place, and refused to copy the new one over. Karen said a few infected copyfiles, and reformatted the hard drive. Since it had already been physically formatted and verified, he only did a logical format. Bootport notified him that time, copying over both the kernel and the disk boot file.

Upon further reading of the manu-

at, Kaven found out that he could have used TagTrack to mark off the hard so that it could be overwritten using the following commands:

```
tagtrack /HD 128
del /b/tag000
```

TagTrack rearranges the allocation map of the drive (and OS software) so that the track number you specify will certainly be in use, just like a normal file, and it gives this phantom file the name of "tag000". When you delete tag000 using del, it frees those sectors for reuse, updating the allocation map as it does that, just as if it were a normal file.

Even then, put a minimum CMOS check on it, place SHELL and COMMAND in it, and powered down. Following directions, to use the hard put in drive B, and powered back up. The Barker and Barker XT-BOM logo came on, the machine did a 300K memory test, then booted. However, it still accessed Drive F. Out came disk again, and a quick phone call to Chris Barker confirmed what Kaven was suspecting.

It seems that the INIT module is hard coded to look at /D0/CMDS for both Shell and Cmdr when booting Level 1. This is the ONLY place all hard-coded. You can patch it as either 120 and 121 for /H0, or do what Kaven did—change the call from /D0 to F will work on anything. Since /D0 was not to look like the hard drive, this was the way to go. Besides, it followed the rules 1 bit better. If you're using GEM, the byte to change is 121 in INIT. Change it from 120 to 121, write it back to the disc, and verify it. Or use the following `findpatch.cmp`:

```
findpatch.c
1st
c20 bit 01
"
```

Follow with the following command lines to make a working bootfile on a blank disc on /D0, then copy it over to the hard drive:

```
cdlabel /d0
del /b/cdlabel
copy c:\d0\cdlabel\cdlabel.cmp
cdlabel.cmp
```

This was the problem that Kaven was having getting those new bootfiles to work. He assumed that CMDR

called Shell and Cmdr off /H0 instead of /D0. When we put those minimum CMOS directions on the "memorable" bootfile, they worked fine. After a bit of booting, INIT switches the default drive from /H0 and /H0/CMDS, and then goes into startup.

We liked our new XT-BOM, but we not too fond of the manual. The documentation is written for someone who has a good bit of experience with GEM. It is NOT recommended for a beginner. If you want a hard drive again, the Barker and Barker package is recommended. If you intend to /H0 get the XT-BOM, hold off until you can get back the XT-BTC and the XT-BOM at the same time. And if you are not sure what you're doing, follow Tommel's lead. If you don't know what you're doing, deal with someone who DOES!

We have been found happiness. It is spelled XT-BOM.

Jeff Atchley GEMie HAMRADCO,
CTNashville
Kaven C. PerrymanCTNashville

Cleveland Power (216) 368-3333 3P
12/1/89 Issue, #767

The ED Editor

- and -

MF Formatter

\$325.00

Meta Media, Inc.
P O Box 290
Atlanta, GA 30340
(404) 892-7792

Subbtitle Sim to Hard Disk

by Kevin Darling

You can put a shell script in your CMOS disc that is called by the ALT to start a VUC screen and the program, if you're using shell.

Here's my hard disk layout:

```
dir /d0/gems/subbtitle
cmdr      bootm.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
```

```
dir /d0/gems/subbtitle
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
```

```
dir /d0/gems/subbtitle
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
subbtitle.cmd  subbtitle.cmd
```

Free found out, don't even use shell off this one.



The subbtitle cmd
& etc.

Ken

Anyone for in

In the MOVED screenshot we're all home, meet let us know! Put above clipped from "Hagel 10", by special request!

Make Your Wisher Known

Please Fill in the following POLL, and mail to: 8009 Longwood St. Denham Springs LA 70728

OS9 USERS GROUP POLL**I. Personal information**

Age ____ Sex ____ Years of OS/2 experience ____
 Years of computer experience ____
 Do you use computers at work? (y or n) ____ If yes,
 what type of computer do you use?
 (PC, Mac, Main frame) _____
 What operating system does it use? _____
 Are you a computer professional? (y or n) ____
 How many computers do you own? _____
 How many run OS/2? _____
 Do you subscribe to a computer information service?
 If yes, list in order of preference
 1. _____
 2. _____
 3. _____
 4. _____
 5. _____
 How long have you been a member of the OS/2 SIG? ____ yrs

II. Computer Hardware owned**A. COMPUTER 1 :**

Make _____
 Model _____
 OS/2 Level 1 ____ OS/2 Level 11 ____ OS/2 version ____
 Ram ____ k Internal ports ____ Parallel ports ____
 Real time clock (y or n) ____ # terminals ____

PLATY DISK
 J10 size ____ inches # sides ____ # tracks ____
 J11 size ____ inches # sides ____ # tracks ____
 J10 size ____ inches # sides ____ # tracks ____
 J10 size ____ inches # sides ____ # tracks ____

PRINTER
 Make _____
 Model _____
 HP ____ IBM ____ Laser ____ Ink Jet ____ Pen Plotter ____
 Carriage/Tray width ____ in. speed ____ cps/ips
 Interface (dot or Para) ____ Ram ____ k Post script ____
 Make _____
 Model _____
 HP ____ IBM ____ Laser ____ Ink Jet ____ Pen Plotter ____
 Carriage/Tray width ____ in. speed ____ cps/ips
 Interface (dot or Para) ____ Ram ____ k Post script ____

SCANNING
 Make _____
 Model _____ Brand _____

B. COMPUTER 2 :

Make _____
 Model _____
 OS/2 Level 1 ____ OS/2 Level 11 ____ OS/2 version ____
 Ram ____ k Internal ports ____ Parallel ports ____
 Real time clock (y or n) ____ # terminals ____

PLATY DISK
 J10 size ____ inches # sides ____ # tracks ____
 J11 size ____ inches # sides ____ # tracks ____
 J10 size ____ inches # sides ____ # tracks ____
 J10 size ____ inches # sides ____ # tracks ____

PRINTER
 Make _____
 Model _____
 HP ____ IBM ____ Laser ____ Ink Jet ____ Pen Plotter ____
 Carriage/Tray width ____ in. speed ____ cps/ips
 Interface (dot or Para) ____ Ram ____ k Post script ____

Make _____
 Model _____
 HP ____ IBM ____ Laser ____ Ink Jet ____ Pen Plotter ____
 Carriage/Tray width ____ in. speed ____ cps/ips
 Interface (dot or Para) ____ Ram ____ k Post script ____

SCANNING
 Make _____
 Model _____ Brand _____

C. CDDC SYSTEM

If your computer is a CDDC, in addition to the above, please complete the following :

CDDC 1 ____ CDDC 2 ____ CDDC 3 ____ CDDC 4 ____

If CDDC 4 where purchased _____

MODIUM
 TV ____ Color Composite ____ RGB ____ Monochrome ____
 If RGB Make _____
 Model _____

Expansion Bus - Make _____

Model _____

Disk Controller - Make _____

Model _____

Parallel Port - Make _____

Model _____

Hardware serial port(s) - Make _____

Model _____

Hard drive Interface - Make _____

Model _____

Hard drive system - Make _____

Model _____

Real time clock - Make _____

Model _____

Have you done any hardware modifications? _____
 Have you added a fan to your system? (y or no) _____
 Have you reorganized your CMOS data in any way? _____
 (Y or N) _____
 Have you added a detached keyboard to your system? _____
 (y or no) _____ power supply? (y or no) _____
 What peripherals, if any, do you run on your system?
 1. _____
 2. _____
 3. _____

B. Terminals Used

1. Name _____ (Model) _____
 2. Name _____ (Model) _____
 3. Name _____ (Model) _____
 4. Name _____ (Model) _____

C. Other Hardware Used

1. Name _____ (Model) _____
 2. Name _____ (Model) _____
 3. Name _____ (Model) _____
 4. Name _____ (Model) _____
 5. Name _____ (Model) _____
 6. Name _____ (Model) _____

III.00-2 Software used

A. Word Processing/Text Editing

1. Do you prefer Word Processing software (editing and formatting in one program) _____ or separate Text Editing and Formatting software _____?

2. What Word Processing software do you use? (list in order of preference and evaluation)

A. _____ (Good_Fair_Poor) _____
 B. _____ (Good_Fair_Poor) _____
 C. _____ (Good_Fair_Poor) _____

3. What Text Editors do you use?

(list in order of preference and evaluation)

Commercial

A. _____ (Good_Fair_Poor) _____
 B. _____ (Good_Fair_Poor) _____
 C. _____ (Good_Fair_Poor) _____

Public Domain

A. _____ (Good_Fair_Poor) _____
 B. _____ (Good_Fair_Poor) _____
 C. _____ (Good_Fair_Poor) _____

4. What Text Formatters do you use?

(list in order of preference and evaluation)

Commercial

A. _____ (Good_Fair_Poor) _____
 B. _____ (Good_Fair_Poor) _____
 C. _____ (Good_Fair_Poor) _____

Public Domain

A. _____ (Good_Fair_Poor) _____
 B. _____ (Good_Fair_Poor) _____
 C. _____ (Good_Fair_Poor) _____

5. What Data Base software do you use?

1. _____ (Good_Fair_Poor) _____
 2. _____ (Good_Fair_Poor) _____
 3. _____ (Good_Fair_Poor) _____

6. What Spread Sheets do you use?

1. _____ (Good_Fair_Poor) _____
 2. _____ (Good_Fair_Poor) _____
 3. _____ (Good_Fair_Poor) _____

7. What communication software do you use?

(list in order of preference and evaluation)

Commercial

1. _____ (Good_Fair_Poor) _____
 2. _____ (Good_Fair_Poor) _____
 3. _____ (Good_Fair_Poor) _____

Public Domain

1. _____ (Good_Fair_Poor) _____
 2. _____ (Good_Fair_Poor) _____
 3. _____ (Good_Fair_Poor) _____

8. What control business software, if any, do you use?

(list and evaluate)

1. _____ (Good_Fair_Poor) _____
 2. _____ (Good_Fair_Poor) _____
 3. _____ (Good_Fair_Poor) _____

9. What utility software would you like to see ported to QDOS? (list in order of preference)

1. _____

2. _____
 3. _____
 4. _____

GOOD NEWS

6. Do you use Multitask (y or n) _____ If yes,
 1. What percentage of time do you use
 Multitask? _____
 2. Do you allow Multitask to Autosave(y or n) _____
 3. Evaluate Good _____ Fair _____ Poor _____
7. Do you use Photomatrix (y or n) _____ If yes,
 evaluate Good _____ Fair _____ Poor _____
8. Do you use Cyber Computer Artist? (y or n) _____
 If yes, evaluate Good _____ Fair _____ Poor _____
9. Do you use Data Publisher? (y or n) _____ If yes,
 evaluate Good _____ Fair _____ Poor _____
10. Do you use Data Publisher? (y or n) _____ If yes,
 evaluate Good _____ Fair _____ Poor _____
11. What kind software currently not available for
 the 68000 would you like made available

1. _____
 2. _____
 3. _____

NEW GOOD NEWS

12. Would you like window on your system? (y or n) _____
 13. Upgradeable R/W later base _____ or R/W interface _____
 14. What good specific GUI software would you like
 made available for your system?

1. _____
 2. _____
 3. _____
 4. _____

What COMPUTER Magazine do you subscribe to?

1. EE Micro _____
 2. Rainbow _____
 3. Info-Clipboard _____
 4. _____
 5. _____
 6. _____

15. What do you think should be the Goal of the 68-5
 Users Group? (Rank in order most important, very
 important, 1=important, most important)

- Education is one of 68-5 _____
 News and Information about 68-5 _____
 Establishment of Standards _____
 Software Library _____
 Representing Users to the Vendors and Microcomputer Sys-

tem Group _____
 Impartial review of products _____

Where do you get software?

Radio Shack _____ Other Retail Store _____

Mail Order:

(Dealer/endorser and evaluation of service)

Alpha soft, technology... Good _____ Good _____ Fair _____ Poor _____
 Brite & Brite... Good _____ Good _____ Fair _____ Poor _____
 Burke & Burke... Good _____ Good _____ Fair _____ Poor _____
 Cardinalsoft Software... Good _____ Good _____ Fair _____ Poor _____
 Computer Systems Center... Good _____ Good _____ Fair _____ Poor _____
 Computer Systems Consultants

_____ Good _____ Good _____ Fair _____ Poor _____

Computerware... Good _____ Good _____ Fair _____ Poor _____

Clearbrook Software Group... Good _____ Good _____ Fair _____ Poor _____

D&F Software... Good _____ Good _____ Fair _____ Poor _____

Edna/EMI... Good _____ Good _____ Fair _____ Poor _____

Easy Street... Good _____ Good _____ Fair _____ Poor _____

System Associates... Good _____ Good _____ Fair _____ Poor _____

Polystar... Good _____ Good _____ Fair _____ Poor _____

Frank Ray Laboratory... Good _____ Good _____ Fair _____ Poor _____

Stratus Systems... Good _____ Good _____ Fair _____ Poor _____

Granite Computer Systems... Good _____ Good _____ Fair _____ Poor _____

R.D. Anderson... Good _____ Good _____ Fair _____ Poor _____

Ed Products... Good _____ Good _____ Fair _____ Poor _____

Edward Method... Good _____ Good _____ Fair _____ Poor _____

JAN Electronics... Good _____ Good _____ Fair _____ Poor _____

Liter Systems... Good _____ Good _____ Fair _____ Poor _____

Lloyd L&L... Good _____ Good _____ Fair _____ Poor _____

Metastar... Good _____ Good _____ Fair _____ Poor _____

Microcom Software... Good _____ Good _____ Fair _____ Poor _____

Microtech Consultants... Good _____ Good _____ Fair _____ Poor _____

Microcomputer Systems Corporation

_____ Good _____ Good _____ Fair _____ Poor _____

MicroWorld... Good _____ Good _____ Fair _____ Poor _____

Multi-User Systems... Good _____ Good _____ Fair _____ Poor _____

Old-time... Good _____ Good _____ Fair _____ Poor _____

Radix... Good _____ Good _____ Fair _____ Poor _____

Second City Software... Good _____ Good _____ Fair _____ Poor _____

Software Unlimited... Good _____ Good _____ Fair _____ Poor _____

Southwest Media... Good _____ Good _____ Fair _____ Poor _____

Specialty Electronics..... Email___Good___Fair___Poor___
 super software..... Email___Good___Fair___Poor___
 single software..... Email___Good___Fair___Poor___
 Tandy Corp..... Email___Good___Fair___Poor___
 Travel Computer..... Email___Good___Fair___Poor___
 Viewronics..... Email___Good___Fair___Poor___
 Windows Microsystems..... Email___Good___Fair___Poor___

What would you like to see in the future?

Advertisements..... none___less___same___
 how to articles..... none___less___same___
 detailed library information none___less___same___
 library software reviews..... none___less___same___
 how to receive s/w reviews..... none___less___same___
 commercial s/w reviews..... none___less___same___
 C/C++ kits..... none___less___same___
 hardware reviews..... none___less___same___
 hardware technical explanation..... none___less___same___
 polls..... none___less___same___
 tips..... none___less___same___
 software standards..... none___less___same___
 news..... none___less___same___
 rumors..... none___less___same___
 membership lists..... none___less___same___
 RETURN

This poll will be placed in a desktop database and placed in the UC library. Please be as complete as possible, but not of all.... THANK YOU!

Make Your Wishes Known!
 Please Fill in the POLL, and mail to:
 800 Longwood St, Denham Springs LA 70726

Strong that are still don't have that strong Polisher Review for you, we are looking to get some examples that are can print.

Wile Pro is in Alpha testing, and C++ polls are working on general and reviews, including VT-300, Teardown, and Desktop Series.

The OS-9 Users Group...

The OS-9 Users Group is an international non-profit organization of approximately 800 members, (and growing) devoted to exchanging and distributing information about, and public domain software for, all available versions of the OS-9 Operating system. The OS-9 Users Group is the only independent group officially recognized by Microsoft as the developer of OS-9 as an official user of its name.

The OS-9 Users Group periodically publishes a newsletter entitled "MOJO" which contains many useful articles, software listings, and other information helpful in keeping OS-9 computing, enjoyable and rewarding. Other membership benefits include free technical help systems by mail or electronic BBS and significant discounts on the purchase of individual volumes of the OS-9 Users Group Public Domain Software Library. One year membership in the group cost \$25.00 for individuals and \$150 for companies (corporate membership) and includes a subscription to the MOJO newsletter, one free disk of public domain software (current set of entire library for corporate members), and the right to purchase additional disks of software at a very reasonable cost. The groups public domain software library currently has over 100 individual volumes of software comprised of almost 100 individual programs. The library is constantly growing due to the groups policy of sending one volume (disk) from the library free for each individual program donated by a member. (Note, although UC soft-ware is available from other sources, only MOJOBBS receive the latest, and license maintained versions.)

To join the OS-9 Users Group, fill out the application form reproduced on page 18 for instant download and send to the UC Tampa address.

Visa and Master Card are accepted.

After you join, you will receive a copy of the current issue of the OS-9 Users Group newsletter ("MOJO"), and soon after that, the "Master" database, UC Library Volume #1, with software of the type useful in getting you started with both OS-9 and the Users Group. Current members who renew their membership will receive a UC "donation" order post card, which may be redeemed for most UC products and services at any time during your membership.

The issue of the MOJO was produced using RISC on a 2 meg Macintosh Plus. Mastering was done in a General Computers Personal Laser Printer. Original artwork done with CANVAS. User did the formatting of from scratch. Icons done via Translators, and touch up in CANVAS. Drawings were done in MacDraw. Cricket Draw, and CANVAS Graphics filled from RIFF and PICT formats. All work done by Bill Brady in June 1989 on a PM200.

Preliminary Report: The HCA-MD by Bill Brady

My critics will note that amongst my many traits is the Germany inability to follow my own advice. Well, I've done a great job.

I usually recommend that users buy a pre-packaged Hard Disk Adapter/Interface/Drive/Controller, with drivers. I did this a long time ago with the QED/Plato/LB Tech package, and have never been sorry that I did.

Recently, however, I decided to put his laptop system to a try. I called PDI, and asked Frank to send me a copy of the "kit," which includes Frank's drivers, the HCC-A adapter, and a VFD 8000-HCC-000 board.

In this column, I want to get out the story I'm familiar, but not complete, yet. What I will do is tell you what I have "discovered" about Brown's idea, and what it could mean for others.

The HCA/WE package should not be thought of as a hardware that one adds to the CoCo. No, it is a firmware; it is an I/O system that takes a back seat to some others, on any computer! This is not a misconception!

Included here are three drawings. The first could be considered a "standard" configuration, and is about what

The report is kind of everything for the kitchen sink and is written by an

Hasn't changed your life? Well, here are the real reasons why.

1. Less hardware, you may even be able to go out of the MFI.
 2. Less Software in previous system space, including random back-hand and floppy disks.
 3. Speed: No half floppy operation.
 4. Speed: No floppy operation. If they can get that fast, I don't want it.
- IBM/AT is very fast, as are my things with the IBM, or at least it would take to measure the disk.
5. Fastest: you can boot from anywhere, hard disk or floppy disk or I can't find it.



having an overall lot of positive feedback
score and performance in the system

The third is where I live, heading
I'll let you know if I actually go
there; but note that you can use
up with hard disks, and I suppose, re-
with low software, in the world you



and low hardware all over your desk.

Note that you COULDN'T have 3 Sappies. If you have the Elmore constant you

2. To use the full capabilities, you must give up CoCo DOS. At least for now. (a real howler, right?)

PlayStation

what the
equation
you want
to deal
with. Libera-
tarians to
keep the
floppy con-
troller de-
cision, deci-
sional. Now
we CoCo
have even
more choice.
It is begin-
ning to
wonder if
my blog will
eventually
become the
"main frame"
rule away
from my
CoCo - Mike
Thompson



100

Electronic Mail Addresses for Users Group Officers

David L. Kubeika, Pres	Compuserve	Delcity	OSU
Eric Lyall, Vice President	26871,279	0090/0905	
George Donner, Treasurer	76191,4156	0090/0907	
Kevin Dorking, Secretary	76191,4156	0090/0908	CLICENTS
Carl Korbler, Librarian	76190,4110	0090/0909	
Bill Brady, Editor	76276,76	0090/0910	
John Padden	76191,267	0090/0911	BRADY
Deborah-Lynn	76191,734	0090/0912	DUPONCET

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Editor: William L. Brady
1200-H Franklin Lane
Harwood, MO 63046
301-811-1761

Mails checks payable to:
"The OSU Users Group"

President: _____ David L. Kubeika
Vice-President: _____ Eric Lyall
Secretary: _____ Kevin Dorking
Treasurer: _____ George Donner
Librarian: _____ Carl Korbler

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Just say NO!

The International Newsletter of the OS-9 Users Group
May/June 1988

NOTE
MESSAGE OF THE DAY

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88/08/19

Address Correction Requested

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October 21-23